



CONGRATULATIONS TO RETIRING JOHN VANDERPOOL come from General Foreman C. C. Parsons, standing at right in the picture at left, and other Y-12ers in Mechanical Maintenance as they present John an

## John Vanderpool To Retire From Y-12 Plant May 29; Presented Gifts By Fellow Workers

**Mechanical Maintenance Outside Machinist  
40th To Retire Under Carbide Administration**

John Vanderpool, an outside machinist in the Mechanical Maintenance Department, will become the fourth Y-12er to retire this year when he bows out Thursday, May 29. His retirement will mark the 40th since Carbide took over operations here on May 4, 1947.

## Linde Building Oxygen Plant To Serve Lukens Steel Co.

To meet the needs of the Lukens Steel Co. plant at Coatesville, Pa., the Linde Co., Division of Union Carbide Corporation, is building an on-site oxygen plant. The new automatically-operated Linde facility will have a producing capacity of 80,000,000 cubic feet of high-purity oxygen per month. The Linde plant is scheduled to go on-stream in January, 1959, and will replace Linde's 20,000,000 cubic feet installation now on the Lukens site plus the supplementary liquid deliveries currently sent to Lukens.

## CONTEST SNAPSHOTS NOT JUDGED LAST WEEK

Because judges of entries in the Y-12 Weekly Photographic Contest have been on vacation, no award winning pictures for the week ending May 16 will be printed in The Bulletin this week. It is hoped the pictures will be returned in time for publishing in the next edition of The Bulletin.

John Vanderpool was born in the little town of McDowell, Ky., in Floyd County, on May 31, 1893, and went to grade school in that county. He came to work in Y-12 on February 6, 1951, as a millwright.

Prior to coming to work in Y-12, he had been self-employed as a plumber and electrician, and with the Bethlehem Steel Co. in Baltimore, Md. He also had been a coal miner at Hi Hat, Ky.

General Foreman C. C. Parsons and Foreman D. R. Carter, of the Mechanical Maintenance Department, presided at a meeting of about 50 of John's fellow workers last week and presented him a gift of an electric skill saw, "from everybody."

Vanderpool expressed his appreciation for the gift by stating that he had "enjoyed working with the gang during the past years." He also added that "a man could not find a better place to work."

John, in outlining his future plans, said that he intends to travel out West, fish and possibly build a new home in Oak Ridge. He and his wife, Mrs. Lucy Vanderpool, live at 216 Robertsville Road, Oak Ridge. They have two sons and four daughters.



electric saw. Vanderpool is standing at Parsons' right and wearing coveralls. "I'll put it to good use," Vanderpool in center in picture at right is saying as he shows the gift to Foreman D. R. Carter, left, and Parsons.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
153 Days Or  
4,861,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling  
Injury  
Through May 18  
Phone 7755  
For Daily Report  
On Accident-Free Hours

## Dr. Hurt Will Address ASM Ladies Night Meeting

The Oak Ridge Chapter of the American Society for Metals will be addressed by Dr. H. B. Hurt, Oak Ridge National Laboratory Medical Division, at the annual Ladies Night banquet meeting tonight, Wednesday, May 21. The meeting will be at the Rathskeller, Knoxville, with a social hour at 7 p.m., and the banquet dinner beginning at 7:30 p.m.

Dr. Hurt's subject will be "The Technical Man and His Family." Dr. Hurt received a B.A. Degree from Southwestern University, Memphis, Tenn., in 1947 and a Ph.D. Degree in 1953, majoring in psychology. Since joining ORNL in 1951, he has been primarily interested in the study of the development of personality and characteristics of scientists and other technical people.

## 'Mike' Harris, Son Of Y-12er, Eyes Harvard For Studies Under National Merit Scholarship

Another scholastically talented son of a Y-12er has been awarded a coveted university scholarship that will bring him \$1,500 per year for four years of college studies.



Michael J. Harris

Harris, a chemical operator in Alpha Four Cascade Operations.

Young Mike Harris is among 20 Tennessee high school pupils who have been awarded scholarships by the National Merit Scholarship Corp. and 75 other corporations.

He aspires to attend Harvard University to study journalism and mathematics, beginning next autumn.

The Merit Scholarships are awarded on the basis of high mental ability, plus good citizenship. More than 1,000 high school pupils from all over the nation were given the Merit Scholarships from among 256,000 seniors who took college aptitude tests in competing for the scholarships.

Mike Harris received his entire schooling in Oak Ridge, starting in kindergarten at Linden School, then attending Fairview, Willowbrook and Woodland grade schools, Jefferson Junior High School and finally Oak Ridge High, where he will graduate with the class of 1958.

During his high school career

he has made an excellent scholastic and citizenship record. He is managing editor of the Oak Leaf, high school newspaper, and is associate editor of the high school yearbook. He belongs to the National Honor Society and the Quill and Scroll Club, student journalism honorary organization. He also is president of the high school French Club, and has a flair for writing poetry. He has had two poems published in the New Orleans Poetry Journal. Hobbies include reading, writing and sports.

Mike Harris was born March 22, 1940, in Tallassee, Ala., and came to Oak Ridge with his parents when he was four years old. His mother is manager of the Woodland School cafeteria.

## Y-12 Spring Fling Draws 400 Guests

**Papa John Gordy's Band Thrills Big Throng**

A record crowd of about 400 Y-12ers and guests attended the annual Spring Fling Dance at the Oak Terrace last Saturday night to enjoy a full evening of fun with music presented by Papa John Gordy and his Dixielanders from Nashville. The event was termed the best of its kind held in many years.

In drawings for door prizes the first award of a fine spinning reel went to Mrs. Gladys Reed, whose husband is in the Y-12 General Machine Shop. Second prize of a picnic ice box was won by O. A. Holman, of the Sunflower Shop. The third award of an electric frying pan went to C. E. Pemberton, who was the escort of Miss Janice Childress, of Production Assay.

Mrs. J. P. Murray, wife of the Y-12 Plant Superintendent, drew the lucky numbers and the prizes were presented by George Strasser, Assistant Y-12 Plant Superintendent.

## Y-12 Statistician To Give Paper At ASQC Meeting

Ronald D. Smith, a statistician in the Y-12 Production Inspection Department, will present a paper at the 12th annual convention of the American Society for Quality Control in Boston, Mass., next week. The meeting is scheduled for May 26-28.

Smith's subject will be "The Problem of Certification that Materials Meet Statistical Specifications." He is a graduate of Columbia University where he received a B.S. Degree in chemistry. He has been with Y-12 since 1949 and was treasurer of the Tennessee Section of the American Society for Quality Control from 1953 to 1955.

## UCIC Sends Liquid Oxygen Trucks To Brazilian City

Union Carbide International Company, Division of Union Carbide Corporation, has sent two liquid oxygen trucks to Sao Paulo, Brazil, to accommodate the growing demand of the gas by the expanding steel and metalworking industries of that nation. Each truck holds a gas equivalent of 200,000 cubic feet. More liquid oxygen equipment is expected to be shipped to Brazil by the Company within the next few months to provide service there.

## UCC Doubles Research Budget In Five Years

**\$60,000,000 Is Spent During Period For New Development Facilities**

Union Carbide Corporation has spent more than \$60,000,000 on expansion of its research and development facilities during the past five years and during the same period has doubled its research and development operating budgets, according to Morse G. Dial, UCC President. President Dial pointed out that in 1957 alone, approximately \$65,000,000 was spent in research and development operations and that research expenditures for 1958 will continue at the same level as in 1957.

## Seven New Laboratories Built

Included in the five-year program of research and development expansion by UCC are seven new research and development laboratories and extensive new research facilities at four other existing laboratories.

Dr. Augustus B. Kinzel, vice-president of research at Union Carbide, pointed out that the research program includes the Union Carbide Research Institute. Dr. Kinzel said, "The Institute was formed a year ago to supplement our basic research for the Corporation. We have always held that an aggressive fundamental research program is essential to our corporate growth, and in past years have expanded our basic research program to keep it commensurate with the increasing size of our Corporation and its broader interests. The Institute is now operating in small temporary quarters in White Plains, N. Y., and has been assigned space in the Corporation laboratory facilities now under construction at Sterling Forest, N. Y."

## Big Project At Sterling Forest

At Sterling Forest, Union Carbide is building one of the largest privately owned nuclear research laboratories in the country. In a temporary laboratory on the site, a staff of scientists and engineers is now seeking answers to some vital scientific and economic questions concerning the utilization of atomic energy. Their research includes studies of ways to expand the use of radioisotopes in industry and to industrialize the by-

Continued on Page 4

## MEMORIAL DAY HOLIDAY REQUIRES EARLIER DEADLINE FOR BULLETIN

Because of the Memorial Day holiday set for Friday, May 30, The Bulletin requests that all contributions of news material and pictures for the issue of Wednesday, June 4, be submitted not later than next Wednesday, May 28. This is necessary because printing and engraving firms producing The Bulletin also will observe the Memorial Day holiday, thus requiring the moving up of the deadline for the June 4 edition.

As usual, on the Memorial Day holiday no Y-12 employee will be required to work except those required for the continuous operation and protection of the plant.



# The Bulletin

Published Weekly By And For  
Y-12 Employees Of  
UNION CARBIDE  
NUCLEAR COMPANY  
Division Of  
Union Carbide Corporation  
GEORGE W. DOBBS . . . Editor

OFFICE  
Post Office Box Y  
Oak Ridge, Tenn.  
Bldg. 9704-2 Room 228  
Telephone 7751

## Water-Safety Helpers Wanted By Red Cross

### Volunteers Will Enable More Children To Swim

Youngsters of Y-12ers and other small fry in Oak Ridge will be able to make this the biggest splash in the history of the Oak Ridge swimming pool this summer — if the grown-ups will pitch in and help.

The Oak Ridge Chapter of the American Red Cross, which has offered instruction in beginning, intermediate and advanced classes for both children and adults, has announced that a new system will be used this year to enable twice the number of children to be accommodated in the beginning class. However, in order to teach a larger number of youngsters and still provide individual instruction, the Red Cross needs "dry-land" volunteer adults to help.

#### Need Not Get Feet Wet

These volunteers need not be able to swim—in fact they don't even have to get their feet wet—as all that is required will be supervisory activities as a water-safety assistant.

Red Cross water-safety instructors must carry that rating in good standing. The water-safety aides, who help in teaching, must be at least 14 years old and have completed a junior or senior lifesaving course. However, the only qualification for the water-safety assistants is a willingness to help and if a sufficient number volunteer more than 1,200 children can be trained as beginning swimmers this summer.

#### Volunteers To Be Trained

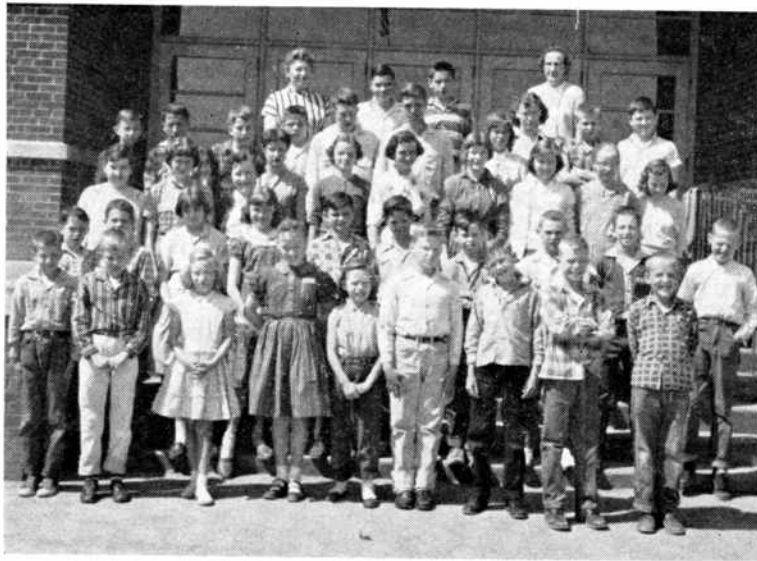
Any Y-12ers or other Oak Ridgers wishing to volunteer for this work are asked to communicate with the Red Cross, Oak Ridge phone 5-5641, as soon as possible. Stanley Ashton, chapter water safety chairman, will train the assistants in a class scheduled to open at 6:30 p.m., Monday, June 9, and continuing until, Friday June 13.

## Physics Seminar To Hear Speaker From Louisiana

Dr. J. M. Reynolds, of Louisiana State University, will speak at the Oak Ridge Physics Division Seminar on Friday of this week, May 23. The meeting will be at 4 p.m. in Room 18, Oak Ridge Institute of Nuclear Studies Training Building on Administration Road. Dr. Reynolds' subject will be "The Apparent Mass of Objects Undergoing Acceleration in Liquid Helium II." Y-12ers interested in the subject are invited to attend.

## ENTREES ARE ANNOUNCED FOR SPECIAL LUNCHES

Stuffed bell pepper with parsley cream sauce will be the main dish on the 50-cent Special Lunch to be served at the Y-12 Cafeteria tomorrow, Thursday, May 22. On next Tuesday, May 27, the entree will be Spanish rice with meat balls. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.



THESE YOUNGSTERS FROM THE CLAXTON SCHOOL, Anderson County, recently were guests of H Shift, Sunflower Shop, at a circus performance in Oak Ridge. It is just another example of the activities supporting young folks' interests engaged in by many Y-12ers.



Greetings to colleagues and customers from the Grand Caliph of the Y-12 Chapter of the Thank Goodness It's Friday And I Can Sleep Late Saturday Morning Club. For loyal fans of shaggy dog stories—here's a beaut—

A tavern operator set up business next to an institution for deaf mutes—and to encourage patronage, learned the finger and hand language of the mutes. One day two institutional customers entered the tavern, "talked" a while, heisted a few and suddenly went into a finger waving routine in unison, accompanied by body rhythm. The bartender took one look, grabbed the pair by the seats of their respective britches and gave them the old heave-ho.

"I told them guys they could talk as much as they pleased—but they sure can't come in here and start singing," growled the bartender. So—With A Song In His Heart, the Old Colyum Conductor will again run the scale of harmony around the place—beginning with—

#### ALLOY

C. E. Miller is vacationing in Cleveland, Ohio, visiting kin folks. . . J. Coats is over in Kingsport for the same purpose. . . E. H. Johnson is welcomed to the C Group. . . Best wishes go along with S. E. Pelizzari, who is transferring to Colex Auxiliary.

#### FINANCE AND MATERIALS

Lucia Shults, Materials, and her husband, Capt. D. C. Shults, of the Guard Department, recently paid a visit to relatives in Greenville and Easley, S. C.

#### SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

Utilities is going to miss Jackie Ward, who left last Friday to take over full duties as a housewife. . . J. D. Barnette is spending a couple of weeks at Daytona Beach. . . L. M. Adams is back from a vacation in the Carolinas. . . H. R. Cannon and S. B. McSpadden are current vacationers but whereabouts are unknown.

The Shift Superintendents Office sends get well wishes to the father of Jean Granstaff, who recently underwent surgery. . . George Kirtland, Assistant Sooper of the D Shifters is vacationing in the greeaaaaat state of Maintucky.

A. H. Norman, Steam Plant, spent his vacation around home — pals are betting he wasn't more than a long foul from sports on television.

#### INDUSTRIAL RELATIONS

Super-Chief W. O. Elam, of the Fire and Guard Departments, is attending the 62nd Annual Fire Protection Association meeting in Chicago. . . Fireman E. E. Gregory is back from a tour of the Virgin Islands on a Naval Reserve cruise. . . Guard L. E. Bellamy, traffic conductor in the Bldg. 9704-2 hallway, is out of the hospital and it is hoped he will be back in his pulpit soon. . . Guard Capt. Pat Dabbs' wife is recovering from an emergency appendectomy in a hospital at Raleigh, N.C., where she was visiting when stricken and all the folks in these parts send her get well wishes. . . Guard Capt. Ray Ledford's wife is home after a stay in Oak Ridge

Hospital and it is hoped she will be in fine fettle again soon.

Verna Peckman, Cafeteria, is shashaying around Florida while vacationing with some kin folks of her hubby, Paddy, of Buildings and Grounds. Meanwhile, back in Y-12, Cafeteria Maitre d' Hotel "Toscanini McNamini" (George J. McNamee to non-music lovers) is enjoying his new role of disc jockey.

#### CHEMICAL

H. A. Reed, Chemical Department, and family were recent week enders in Powell Valley. . . Lena Faith took an emergency vacation last week to be with her father-in-law, who has been ill. . . Get well wishes go to B. B. Morrow, ill in a hospital at Murphy, N.C. . . C. M. Denny is welcomed back after a siege of illness that confined him to Vanderbilt Hospital, Nashville. . . Hazel Lemons took a recent one-day jaunt down to Rome, Ga. . . Disappearing vacationers are J. A. Wade, L. D. Vinsant, W. Y. Hagy and W. E. Sprader.

#### MAINTENANCE

Buildings and Grounds extends condolences to L. G. Freeman, whose mother died May 11. . . Nobody knows the whereabouts of vacationers L. H. Davis, H. C. Norris, E. Ballard, R. L. Letner, W. E. Lay, W. J. Johnson, C. H. Beddingfield and J. E. French, no forwarding addresses left. . . Get well wishes are sent W. B. Kirk, C. S. Munsey, C. T. Oglesby and P. L. Cook, all on the ailing list. . . C. L. Evans is welcomed back to the job after a long illness.

C. A. McAlister, Laundry Department supervisor, is spending three weeks in merry Miami. . . J. C. Queener is taking a week of rest at his Clinton home.

Sympathy is extended by the Garage to J. A. Coston, whose mother died last week in Hendersonville, N.C. . . Get well wishes are rushed to the wife of C. A. Toney at Oak Ridge Hospital, where she is ill.

The Janitors welcome newcomer J. L. Reynolds to the group.

B. F. Porter is the Father of the Week in Process Maintenance —



Get well wishes are sent the following Y-12 employees who were patients in the Oak Ridge Hospital last week:

C. W. Ward and B. M. Thomas, Process Maintenance; Sarah Corum, Maintenance Planning; Don Pitt and Charley Johnson, General Machine Shop; J. H. McCulley, Mechanical Maintenance; Harry L. Hunter, Beta Four Heavy Machine Shop; Johnson Hagood, Beta Two; Edna Stooksbury, Electrical Maintenance; C. F. Charpie, Tool Grinding and Machine Maintenance.

qualifying with the arrival on May 11 at 7:48 a.m. of a fine little daughter, Donna Sue, weighing eight pounds, 14 ounces. . . The department rolled out the crimson carpet of welcome to Bill Brooks, transferred from Maintenance Planning — and hastened to send get well wishes to his wife, ill in Baptist Hospital, Knoxville. . . Rapid recovery wishes also go to J. B. Johnson, who underwent a tonsillectomy recently at Fort Sanders Presbyterian Hospital, Knoxville. . . Also to J. A. Briggs, a recent patient at Oak Ridge Hospital. . . Likewise to C. W. Ward, in Oak Ridge Hospital, and to the wife of R. P. Putman, in the same haven of healing. . . Condolences are extended Ed Hensley, whose mother-in-law died May 1 at London, Ky. . . This week he is vacationing in Englewood, Fla. . . Frank Booth is vacationing at home in Oak Ridge. . . V. P. Maddron went to the Smokies. . . C. E. Hudson is spending a couple of weeks in Oklahoma. . . R. L. McGinnis is over in North Carolina. . . R. T. Hill is visiting his sister, Mrs. Romona Croft, in Gainesville, Fla. . . Charley Beckett planned to paint his house in Oak Ridge while vacationing—and if he finished that chore he planned to go fishing. . . Bob Baker also was an industrious home worker in Oak Ridge last week. . . A swell safety slogan from W. D. Hopper—"As thread is to a needle so is patience to safety."

Maintenance Planning rolled out the welcome mat last week for J. R. Helton, transferred recently to the department. . . Get well wishes go to Sarah Corum, in Oak Ridge Hospital — and to Johnny Tyler, son of Edna Tyler, injured recently in an automobile mishap. . . E. G. "Sonny" Richardson was in Cleveland, Ohio, on a business trip last week.

R. L. Carpenter, Research Service, is vacationing at home in Knoxville — catching up on his reading. . . W. T. Scandlyn is doing a little fishing. . . E. E. Fields didn't reveal plans for three weeks of vacation. . . U. R. Waddell is in Bristol, Tenn., visiting his daughter and granddaughter. . . A. E. Morton is welcomed back after a long illness. . . Get well wishes go to B. C. Harrington, M. Boone, W. T. Young, T. C. Caldwell, R. H. Gilbert and D. J. Wood.

#### TECHNICAL

Special Testing welcomes Dick Bell to the Radiography Laboratory. . . Mary Ballard also received a warm greeting on assignment to the department.

Dottie Moore, Production Assay, is vacationing this week in the Deep South. . . Barbara Messenger is staying at home in Oak Ridge this week and rapid recovery wishes are sent by the department to her mother, ill in Oak Ridge Hospital. . . Nell Mercer and her husband, Bob, are vacationing in Rogersville. . . Annie Robinson and her husband Ed, Mechanical Maintenance, week ended in Atlanta.

Morgan Carter, Production Analysis, is spending this week in sunny Florida and C. R. Kelly is

Continued on Page 4



Miss Shirley Jean Murray



#### MURRAY-VAN FLEET

Miss Shirley Jean Murray, of the Design and Composition Section of the Y-12 Reproduction Department, has chosen Saturday, August 30, for her marriage to John Michael Van Fleet. The engagement was announced last week by Mr. and Mrs. James P. Murray, parents of the bride-elect.

The father of the bride-elect also is a Y-12 employee in the Z Area Department. The Murrys live at 108 Palmer Road, Oak Ridge.

Parents of the bridegroom-to-be are Mr. and Mrs. Walter Van Fleet, 105 Norman Lane, Oak Ridge.

The wedding ceremony will be held at 11 a.m. at St. Mary's Catholic Church with Father Thomas B. Woodley, pastor, officiating.

Miss Murray is a graduate of Oak Ridge High School and also attended East Tennessee State College at Johnson City. Van Fleet also is an Oak Ridge High School graduate and now is attending the University of Tennessee where he is majoring in industrial law. He is a member of the Lambda Chi Alpha fraternity and the Scarranean Honor Society.

#### HIGHWAY CASUALTIES UP

One out of every 67 Americans was killed or injured in an automobile crash last year. Total casualties were 2,563,700, the highest total in history.



A Y-12 SECRETARY, Barbara Wantland, who before her recent marriage was Miss Barbara Hensley, is shown above modeling a new model spring frock at the recent meeting of the Oak Ridge Chapter of the National Secretaries Association. She is secretary to J. Clyde Bowles, of Mechanical Inspection.





**WARMING UP BEFORE THE RECENT Y-12 GOLF TOURNAMENT** at Oak Ridge are a number of entrants on the practice green, shown at left. The picture at right shows contestants at the first tee on the picturesque course



ready to begin firing. The tournament drew a record number of 132 competitors for the opening event of the season. This was the first of several such events planned for this season.

## Carl Dorr's 71 Tops Y-12 Tourney

118 Y-12 Golfers Play  
At Gatlinburg Course

A sparkling 71 fired by Carl Dorr over the sporty and difficult Gatlinburg Golf and Country Club course last Saturday topped the entry list of 118 in the second Y-12 Golf Tournament of the season. Other low scratch scorers in the First Division were R. F. Knott, a newcomer to Y-12 tournaments, with 75, Frank Burchfield 78 and Charley Peterson 81.

Low handicap scorers in the First Division were Newt Hamby and Paddy Peckman, tied at 67; and Bill Mee and J. Bartholomew, deadlocked at 70. George Wylie had 16 pars and Art Hines posted 12.

In the Second Division low scratch tallies were posted by K. E. Thomas 86, John Boyd and Logan Emlet tied at 88 and Eddie Webster 90. Best handicap scores were R. P. Wallace 70, W. R. Hicks 71, Bill Hackett 72 and F. K. Clabough 73. George Oliphant had seven pars and L. E. Kinkaid six.

C. C. Dinkins with 88 topped the Third Division scratch list, followed by C. V. Redding 93 with V. M. Oxford and J. C. Thompson tied at 95. Avis Collins, Clyde Smith and J. Thomson tied at 69 for handicap honors and Harold Ratjen had 72. E. S. Henck and W. E. Loveless each had five pars.

In the Fourth Division it was M. L. Taylor at 94 for best scratch, followed by M. R. Emery 98, Walt Simmons 99 and A. R. McConkey 104. Handicap leaders were C. R. McGinnis 65, Jim Moore 66, C. E. Spradlin 69 and E. N. Rogers 70. J. D. Davis had four pars and G. B. Anderson, B. Marsh and H. R. Butler three each.

## Lenoir Loop Lead In Two-Way Tie

The Kinkaid-Hicks team took a three-point whitewash win from the Spradlin-Knot duo in the Lenoir City Golf League for Y-12ers to gain a tie for first place with Clabough-Hicks, which came out with a two and one-half point triumph over Thompson-Rogers. Three-point wins also were recorded by M. F. Gilliam-J. Gilliam over W. E. Loveless-Houston and L. R. Loveless-Webster over Raper-Redding. The match between Collins-Watson and Stinnett-Ware will be played at a later date.

For the second straight week L. E. Kinkaid had the best scores with a 38 scratch and 34 handicap.

League standing follows:

Team	W	L
Henck-Clabough	8 1/2	1 1/2
Kinkaid-Hicks	8 1/2	1 1/2
M. F. Gilliam-J. Gilliam	7	2
L. R. Loveless-Webster	5	4
Spradlin-Knot	3	6
W. E. Loveless-Houston	3	6
Thompson-Rogers	2 1/2	6 1/2
Collins-Watson	3	3
Stinnett-Ware	1 1/2	4 1/2
Raper-Redding	0	9



**GOLFERS FROM NEAR AND FAR** competed in the first Y-12 Tournament of the season held recently at Oak Ridge. At left are A. L. Sawyer and Brice Burrus, from Knoxville and playing in the league operating at Whittle Springs. At right are Karl Kahley and George Evans, Oak Ridgers playing in the home town league.



## Four Teams Deadlocked In Oak Ridge Golf Loop

Traffic was heavy at the top of the Y-12 Golf League at Oak Ridge after play last week with four teams tied for first place. They were Holzkecht-Peckman, Davis-Arrowood, Orrison-Thompson and Speas-Cabe, each with 21 wins and nine losses. Their victims were Pletz-Roberts by four, Bartholomew-Smith by four, Taylor-Lockhart by six and Belvin-Hopkins by six.

## Huskisson-Wilburn Keep Slate Clean

That pair of reformed softball players, Gene Huskisson and Bill Wilburn, now turned golfers, flung a no-hitter at Emery-Brockmeir in the Whittle Springs Golf League for Y-12 players in Knoxville with a three-point whitewash to maintain their undefeated status at the head of the loop. Rice-Norris also picked up three points via the forfeit route from Hudson-Yelton, who have dropped out of the circuit. Perry-Leach blanked Troutman-Cook for three. In other matches two-point wins were recorded by Galle-Bailey over Kovach-Bremman, Burrus-Sawyer over Hilton-Peterson, Hackett-Petretzky over Bishop-Erwin and Trebilcox-Butler over Schappel-Schappel.

A. L. Sawyer shot a 38 for low scratch while R. F. Galle had a 31 for low handicap. In keeping with their triumph, Huskisson-Wilburn had low team scoring honors with 80-65.

League standing follows:

Team	W	L
Huskisson-Wilburn	12	0
Galle-Bailey	8	4
Emery-Brockmeir	7	5
Burrus-Sawyer	7	5
Perry-Leach	6 1/2	5 1/2
Rice-Norris	6 1/2	5 1/2
Troutman-Cook	6	6
Hackett-Petretzky	6	6
Hilton-Peterson	6	6
Trebilcox-Butler	5	7
Kovach-Bremman	5	7
Bishop-Erwin	4 1/2	7 1/2
Schappel-Schappel	3	9
Hudson-Yelton	1 1/2	10 1/2

In other matches Wallace-Peterson shut out Anderson-Nichols for six, and Emlet-Hines licked Ratjen-Snyder by the same margin. Kahley-Evans took True-Kennedy by four, Stroud-Tiller over Youngblood-Gilcrease by the same score, Underwood-Schatley over Mitchell-Tibbatts and Whitehorn-Brown over Oxford-Collins, also by four. Gambill-Hamby also came in with a shutout over Dehoney-Buckminster. Boyd-Oliphant and McLendon-Mee tied at three points each.

Newt Hamby's 37 was best scratch score of the session and he was followed by Ed Gambill 38, I. G. Speas 39 and Gentry Underwood 44.

Team	W	L
Holzkecht-Peckman	21	9
Davis-Arrowood	21	9
Orrison-Thompson	21	9
Speas-Cabe	21	9
Kahley-Evans	19	11
Stroud-Tiller	19	11
Underwood-Schatley	19	11
Oxford-Collins	18	12
Ratjen-Snyder	16	14
Whitehorn-Brown	16	14
True-Kennedy	16	14
McLendon-Mee	16	14
Emlet-Hines	15	15
Dehoney-Buckminster	14	16
Boyd-Oliphant	14	16
Gambill-Hamby	13	11
Wallace-Peterson	12	18
Anderson-Nichols	12	18
Pletz-Roberts	11	19
Bartholomew-Smith	9	21
Taylor-Lockhart	9	21
Hopkins-Belvin	8	22
Mitchel-Tibbatts	8	22
Youngblood-Gilcrease	6	24

## C Shift Fishermen Set Rodeo May 29

C Shift fishermen, after making considerable reduction in the fish population hereabouts in recent fishing rodeos, will convene again on Thursday of next week, May 29. The anglers will try their skill this time on Norris Lake, from Pellissippi Boat Dock. The contest starts at 12:01 a.m. and judging will be at 5 p.m.

Prizes will be offered for the largest fish in each of four categories. Other prizes also will be

## Reactors Wallop Kids In Opener

Whizzers Rally To Post  
Win Over Engineers

The Reactors team in the Y-12 Plant Softball League, champions of the loop last season, got away to a running start last week as 1958 hostilities began at Pinewood Park by posting a pair of points on the winners' side of the standings. Manager Harley Law's lads knocked over Pilot J. D. Collins' Whiz Kids with a 11 to 0 shutout and also collected a forfeit win from the Fat Boys when the latter team failed to muster a quorum for the scheduled game.

**Whizzers Get 11-4 Win**

However, all was not lost for the Whiz Kids, as they came back after their opening defeat to wallop the Engineers, 11 to 4. Results of a third game scheduled last week, between the Whiz Kids and C Shift, were not available at press time of The Bulletin.

Chandler hurled a one-hitter for the Reactors in their win over the Whiz Kids, Farris getting the lone bingle. Meanwhile Law's larrupers lashed out 11 safeties and took advantage of six miscues by the opposition. Cheek got three of the Reactors' base hits with Seviars, Chandler and Manager Law each getting two from the offerings of Emery and Cox.

**Engineers Errors Costly**

Engineering mistakes cost them dearly against the Whiz Kids, as the losers outthit the winners by seven blows to five, with seven errors by the Engineers figuring in several runs. J. D. Collins got a homer for the Whiz Kids with one man aboard and Monsey rapped out a double. Oldham's triple was the big blow for the Engineers, Evans rapped a double and single and England had two for two.

Line scores and league standing follows:

Team	R	H	E
Reactors	005	114	x—11 11 1
Whiz Kids	000	000	x—0 1 6
Batteries:	Reactors, Chandler and Wilburn. Whiz Kids, Emery, Cox (5th) and J. Collins.		

Whiz Kids	221	303	x—11 5 1
Engineers	220	000	x—4 7 7
Batteries:	Whiz Kids, Monsey and J. Collins. Engineers, Evans and Hopkins.		

Team	W	L
Reactors	2	0
Whiz Kids	1	1
Early Birds	0	0
C Shift	0	0
Cubs	0	0
Slow Pokes	0	0
Fat Boys	0	1
Engineers	0	1

## UCNC Pinmen Take Derby Meet Crown

A team of four Y-12ers and one from the Oak Ridge Gaseous Diffusion Plant won both scratch and handicap championships in the Louisville, Ky., Derby Bowling Tournament over the past week end. The team was composed of Len Hart, Y-12, All-Carbine and city champion; Frank Zupan, Joe Pryson, Jay Holzkecht and Joe Bennett, ORGDP.

The quintet scored 3003 scratch and 3,221 handicap with Hart leading the individual scoring with a 628 series. The team won approximately \$2,100 in cash awards and a four-foot trophy. Individually, the UCNC five were high in all-events scores.

awarded. Free coffee and sandwiches will be served entrants.

Tickets may be obtained from members of the C Shift Recreation Committee, including J. C. Kinsley, Chloe Brown, Gene Stooksbury, Elmer Wilder, J. C. Boohar, S. L. Ray, Jim Morgan and Roy Smith.

## Men, Women Netters Of Y-12 Form Leagues

A good start toward organizing Y-12 Tennis Leagues in men's doubles, men's singles and mixed doubles was made last week when several enthusiasts of the net sport turned out for a session in the Recreation Office. The league lists will be kept open until June 3 and other players desiring to compete in either of the classes is asked to communicate at once with the Recreation Office, Room 226, Bldg. 9704-2, plant phone 7751.

In men's doubles a team of Hugh Caudill-J. L. Disney and E. G. Laggis-John Perry are ready to go. Also wanting to play in this division are Peter C. Rekemeyer and Charlie Robinson, each seeking a partner. In men's singles Caudill, Rekemeyer, Robinson, Perry, Laggis, John Gregory, Frank Ballinger and W. L. Harper are entered.

Mixed doubles has drawn entries from Nell McGinnis-W. L. Harper and Ruby O'Kain-Charlie Robinson. Lorraine White is seeking a partner.

Harper will serve as secretary for the men's leagues while Miss McGinnis will act in a similar capacity for the women.

## Horseshoe Pitchers Will Meet Today

A horseshoe pitching ladder competition for the spring and summer months will be organized at a meeting of enthusiasts of the sport at 1:30 o'clock this afternoon in the Y-12 Recreation Office, Room 226, Bldg. 9704-2.

A successful and interesting race was held last season with eight teams competing for honors. The Dunlap-Stanley team came out on top after a close fight all the way.

In 1957, 2,252,000 Americans were injured in traffic accidents.



Bulk Rate  
U. S. Postage  
**PAID**  
Oak Ridge, Tenn.  
Permit No. 71

## UNION CARBIDE NUCLEAR COMPANY

Division of  
Union Carbide Corporation  
Post Office Box Y  
Oak Ridge, Tenn.

RETURN POSTAGE GUARANTEED

POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED, RETURN TO SENDER IMMEDIATELY.



Continued from Page 2

just back from the same vacation site . . . **Juanita Moore's** vacation spot is "top secret," she just wouldn't divulge it.

**Nell Miller**, Laboratory Operations, has had her mother from Huntington, Tenn., as a recent visitor . . . Rapid recovery wishes go to **Pauline Cain** in UT Memorial Hospital, Knoxville.

Don't mention horses to **Jeri Kobisk**, the Colyum's agent in Special Projects . . . The Spring sun — long overdue — is sending **Sam Rea** and family to Clearwater, Fla., for vacationing purposes . . . **Jim Warner** took his sore throat to Miami for "the cure" . . . "The play's The Thing" with the Lockhart family — **George Lockhart** loves to play in golf tournaments and his wife, Marshall, was a fine actress in the Oak Ridge Community Playhouse presentation of "Teahouse" . . . Everybody caught fish for Mom to clean and fry when **Harold Williams** took his family for an outing at Loudon, Tenn., on Mother's Day . . . **George McGown's** wife caught a "bug" on Mother's Day while bird watching with her new gift binoculars — and is receiving get well wishes from all.

Mechanical Engineering reports **Lillian Higgins** vacationing at home this week with a trip to Atlanta a possibility . . . **Bill Hood** is enjoying a bottle and diaper vacation at home . . . The **Wilbur Allins** are away this week to attend the wedding of her sister in Lakeland, Fla. . . **O. T. Smith's** spouse has gone to Daytona Beach with her mother, leaving O. T. as chief cook and bottle washer at home . . . **Barbara Pullen** and hubby are entertaining her folks from Alabama . . . **Charles Chihasz** is sporting a new rifle — says he can hit a gnat's eye at 400 feet . . . Somebody told the **B. L. Hammers** they "auto buy now" — they did — and are breaking in a new sedan.

### MECHANICAL OPERATIONS

The Alloy Shop is happy to have **Kirby Duke** back after a long illness . . . **L. A. Smith** is still out after an operation and a speedy recovery is wished for him . . . **D. D. Keith** is fishing over around Gainsboro, Tenn., this week . . . **O. A. Moore** is back after a vacation in Nebraska . . . **Leon Bray** is reported doing well after swallowing a small nail — and pals hope he will take the nails out of his mouth next time before answering a question by his wife — meanwhile he is vacationing for two weeks to get his new home completed.

Tool Grinding and Machine Maintenance hopes **A. A. Curtis** likes his new home . . . Best recovery wishes go to the wives of **E. L. Pugh** and **F. Helegsen** . . . Also to **C. F. Charpie** and **R. A. Guy** . . . **R. E. Humphries** is welcomed back after his illness . . . **G. C. Lay** is vacationing for three weeks and intends to try out his new rotary tiller for fishing at Dale Hollow or his new lawn mower at home . . . A hearty welcome is extended **E. W. Phelps**, **F. E. Morgan**, **M. S. Baker**, **J. H. Case**, **A. G. Steele**, **M. L. Kinamon**, **K. E. Tilley** and **M. L. Ashburn** —

## Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12 employees who will complete 15 and 10 years of Company Service within the next few days:

### 15 YEARS

**J. Clyde Bowles**, Mechanical Inspection, May 26.

### 10 YEARS

**Edward E. Turner**, Guard, May 21.

**Gordon E. Fielden**, Maintenance Planning, May 24.

**Oscar W. Patrick, Sr.**, Property Sales, May 24.

**Ralph A. Wilson, Jr.**, Sunflower Shop, May 24.

**Edward F. Sise**, Sunflower Shop, May 24.

**Charles A. Frazier**, Alpha Four Cascade Operations, May 24.

## Rides Wanted, Offered

Ride wanted from **Houston St., Burlington Area, Knoxville**, to **Bear Creek Portal, straight day**. S. England, plant phone 7-8449, home phone 5-2611, Knoxville.

Ride wanted or will join car pool from **Fountain City to Bear Creek Portal, straight day**. G. H. Blakley, plant phone 7-8296, home phone MY 1-2248, Knoxville.

Ride wanted from **East Revere Circle, Oak Ridge, to West Portal, straight day**. N. L. Douglass, plant phone 7221, home phone 5-4438, Oak Ridge.

Riders wanted from **Powell to any portal, straight day**. W. H. Donahue, plant phone 7411, home phone Dial Knoxville 9, then Dial 4-5641.

Ride wanted from **California Ave., Oak Ridge, to North Portal, straight day**. Nellie Brown, plant phone 7703, home phone 5-4733, Knoxville.

Ride wanted or will join car pool from **Graveston, Knox County, to any portal, H Shift**. F. E. Wright, plant phone 7074, home phone MY 1-6328, Knoxville.

all transferred from other departments, and also to **C. B. Williams**, from another work assignment . . . Best wishes go along with **J. W. Cooke** and **O. C. Duck**, transferred to the Sunflower Shop.

The Sunflower Shop had several vacationers last week — **L. R. Beach** at home in Lake City . . . **R. E. Plemons** at home in Rockwood . . . **L. W. Nance** likewise in Knoxville . . . **H. E. Cornell** tried the fishing at Fontana, N.C., before visiting his daughter in Louisville, Ky. . . **R. S. Owens** also went to Fontana and Dale Hollow for angling . . . Get well wishes were sent last week to **J. E. Bullen** and **H. G. Crews**.

Z Area extends sympathy to **J. F. Trent**, whose granddaughter died recently.

**K. L. Honeycutt**, Sunflower Foundry, is vacationing this week in Harriman and **C. C. Carter** is doing likewise in Coalfield . . . **J. L. Isabell** is back from his week's rest at home in Oak Ridge.

In 1957, 7,500 pedestrians were killed by autos in the U.S.

## Union Carbide Swells Budget For Research

Continued from Page 1

products of nuclear energy. In close association with this nuclear research laboratory, a new ore research organization at the same location is working to develop more efficient methods of detecting, mining, and extracting profitable mineral raw materials for industry.

### Other New Work Listed

Other new Union Carbide research laboratories recently completed, or near completion, include: a laboratory at Parma, Ohio, concerned principally with physical sciences and their application to chemical problems; a laboratory at Speedway, Ind., working on crystal growth, flame-plating, and other super high-temperature arc studies; and a plastics research laboratory at Bound Brook, N. J., just being occupied. New research facilities have also been added at the Corporation's metals research laboratories at Niagara Falls, N. Y., and the cryogenics (low temperature) and inorganic chemical research at Tonawanda, N. Y. The Tonawanda facilities now have a new radiation laboratory, using a 4,200 curie Cobalt 60-source to conduct radiation experiments.

More than 13,000 chemicals have already been synthesized in Union Carbide's chemicals research laboratories at South Charleston and Institute, W. Va., which also have been recently equipped with new facilities. Their work covers, physical, and polymer chemistry.

### Extending Into New Fields

During the past several years, Union Carbide's research has been expanded in a number of fields, particularly solid-state physics, cryogenics, polymerization, biology, super high temperatures, rare metals and radiation chemistry.

A major accomplishment in solid-state physics has been the development of special types of graphite for use in nuclear reactors, including uranium-bearing graphite for fuel elements. In the field of polymerization, Union Carbide chemists recently discovered ways to link together as many as 100,000 molecules of the "building block" chemical ethylene oxide to form a single chain and thereby create new and exciting chemicals with many interesting possibilities. This research resulted in the introduction of a new group of chemicals called Polyox water-soluble resins, which have many unusual properties.

Super high-temperature research is another field in which Union Carbide scientists are particularly active. They have developed an ingenious method called flame-plating whereby particles of metals or other materials, such as ceramics — powdered to about the size of pepper — are shot at high temperatures onto the surface of rocket engine parts, aircraft turbine blades, and other parts of equipment to give them greater wear resistance and longer life. Super high-temperature arcs in rare gases, such as argon, are being developed for welding, cutting, and heating of metals and other materials.

### Growing Sapphires for Missiles

Using flames to grow crystals. Union Carbide has developed sapphire domes and windows for missiles. Sapphire is one of the few substances that will transmit the infra-red rays on through to the guiding mechanism, so that the missile can be "homed" accurately on its target. Unlike other materials, however, it does not lose its strength and transmitting efficiency at high temperatures.

Working at the other extreme of the temperature cycle, Union Carbide scientists have made many important discoveries. In the field of biology, for instance, their research with liquid nitrogen — which to stay liquid must be kept at temperatures as low as -300 degrees Fahrenheit — has resulted



THESE SHARPSHOOTING Y-12 pistol and rifle teams represented the plant in fall and winter league competition at the Oak Ridge Sportsmen's Association range. The pistol team at top, kneeling from left are Carl Brewster and Paul H. Williams. Standing are W. A. Sahr, J. H. Rowan, T. J. Bush and team Capt. A. V. Bible. Team members absent when picture was made were O. C. Beatty, F. W. Stout, W. B. Davis and A. J. Blay. The rifle team, from left, are Sahr, Brewster, team Capt. M. W. McGuffin, J. V. Ledbetter and Rowan. Davis and Blay also were members of the rifle squad.

## Y-12 Rifle, Pistol Teams End Successful Seasons

The Y-12 rifle and pistol leagues completed successful seasons late last month and the latter group already is making plans for a summer season to start in about two more weeks. The rifle team will not

## Deane Hill League Gets Good Start

Y-12's latest golfing league, at Deane Hill Country Club in Knox County for the several Y-12ers and other Union Carbide Nuclear Company golfers living in that neighborhood, has swung into action with eight two-man teams competing. Three teams were tied for first place after the first round of play, indicating a close race throughout the summer.

Comer-Young beat Williams-Cleland, Susano-White topped Anderson-Walker and Odom-Keilholtz trimmed Johnson-Whitman, each by three and one-half points. In the other match Bowles-Vincens defeated Schaich-Cain three points to one.

League standing follows:

Team	W	L
Comer-Young	3 1/2	1 1/2
Susano-White	3 1/2	1 1/2
Odom-Keilholtz	3 1/2	1 1/2
Bowles-Vincens	3	1
Schaich-Cain	1	3
Williams-Cleland	1 1/2	3 1/2
Anderson-Walker	1 1/2	3 1/2
Johnson-Whitman	1 1/2	3 1/2

in the development of a process and equipment which shows promise of making possible the storing of blood and biological tissues indefinitely. Low-temperature research has also recently made it possible to supply liquid hydrogen in large quantities for industrial use. An interesting application is its use in cooling down the "memory" systems or components of the remarkable new electronic computers.

The far-reaching new field of radiation chemistry is entering into all phases of the Corporation's research work. In this relatively unexplored field, researchers are studying the effects of radiation on all types of substances, including chemicals, gases, metals, plastics, and carbons to see how their properties can be improved to make better products for the home and industry.

Speeding was blamed for 13,200 deaths on U.S. highways in 1957.

be active during the spring and summer months. The target shooting of both rifles and pistols provided good competition and recreation for members of both leagues during the recently closed season.

In the rifle league the Tackholes team took first place with a record of 29 wins and 13 losses. W. B. Davis topped A. J. Blay in a shoot-off for top scoring handicap honors and received a rifle scope from the Oak Ridge Sportsmen's Association, where all matches were fired. Davis had a seasonal average of 193.640. C. G. Brewster also won an ORSA award for posting the highest scratch average of 178.9.

In the pistol league the Marksmen team won the championship with 32 wins and 10 losses. T. J. Bush led this team with a scratch average of 252 and J. H. Rowan led the handicap scorers with an average of 285.650. The ORSA rewarded Bush with a .22 calibre target pistol and Rowan also received an award.

The Best Sportsman prize for the season was voted to A. V. Bible, captain of the pistol team.

A. J. Blay was elected captain of the rifle team for the next fall and winter season and P. H. Williams was similarly honored by the pistol team.

## Harriman League Is Led By Eagles

The Eagles team maintained its lead in the All Carbide Golf League at Harriman for players from all Union Carbide Nuclear Company plants in Oak Ridge. Low scratch scores in latest reported play were by Bruce Isom, an Oak Ridge National Laboratory player with the Eagles with 37; Bill Hamill, Y-12, of the Par Busters with 40; Byron Stanley, K-25, of the Sod Busters with 42; and Ed Ellis, Y-12, of the Hawks, with 47.

Team	W	L
Eagles	10	2
Par Busters	8	4
Hawks	7 1/2	4 1/2
Slicers	6 1/2	5 1/2
Grass Cutters	5	7
Sod Busters	5	7
Duffs	4	8
Hookers	2	10